



IES INDOOR REPORT

PHOTOMETRIC FILENAME : BS830LEDHTLOWT4022AL120-277V_P.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TESTLAB] Photopia 2018.1.0 see: www.ltioptics.com/ies

[ISSUEDATE]

[TESTDATE] Wed Aug 15 16:01:35 2018

[TEST] 1

[MANUFAC] BEGHELLI

[LUMCAT]

[LUMINAIRE] BS830LEDLOWT4022AL120-277[_P

[LAMP] LED 0.195W White 5630 package (65mA)

[LAMPCAT] SPMWHT541MD-3900K

[OTHER]

IESNA:LM-63-2002[TEST] 6,552

[TESTLAB] CSA Group

[OTHER] Luminous shape: Rectangle

[OTHER] Luminous dimensions (feet)

[OTHER] 0 - 180 Axis: 4.2

[OTHER] 90 - 270 Axis: 0.6

[OTHER] Height: 0.1

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	12012
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	114
Total Luminaire Watts	105
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.16
Spacing Criterion (90-270)	1.16
Spacing Criterion (Diagonal)	1.10
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	1.88 ft
Luminous Width (90-270)	1.88 ft
Luminous Height	1.59 ft

IES INDOOR REPORT**PHOTOMETRIC FILENAME : BS830LEDHTLOWT4022AL120-277V_P.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4300	3614	4300
55	2619	2135	2619
65	1728	1363	1728
75	810	616	810
85	7	5	7

CANDELA TABULATION

	<u>0</u>
0	7591.903
5	7516.227
10	7376.762
15	7117.202
20	6743.318
25	6335.280
30	5805.937
35	4693.685
40	3183.944
45	1836.156
50	1277.472
55	1085.112
60	877.817
65	672.328
70	474.029
75	285.163
80	107.562
85	2.075
90	0.008
95	0.008
100	0.017
105	0.025
110	0.034
115	0.034
120	0.042
125	0.050
130	0.076
135	0.084
140	0.076
145	0.059
150	0.076
155	0.244
160	1.008
165	1.478
170	1.378
175	1.109
180	7.022

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2715.46	N.A.	22.60
0-30	5623.64	N.A.	46.80
0-40	8484.11	N.A.	70.60
0-60	11010.2	N.A.	91.70
0-80	11980.83	N.A.	99.70
0-90	12011.2	N.A.	100.00
10-90	11297.81	N.A.	94.10
20-40	5768.65	N.A.	48.00
20-50	7327.32	N.A.	61.00
40-70	3193.2	N.A.	26.60
60-80	970.63	N.A.	8.10
70-80	303.52	N.A.	2.50
80-90	30.36	N.A.	0.30
90-110	0.04	N.A.	0.00
90-120	0.07	N.A.	0.00
90-130	0.12	N.A.	0.00
90-150	0.23	N.A.	0.00
90-180	0.96	N.A.	0.00
110-180	0.92	N.A.	0.00
0-180	12012.15	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	713.38
10-20	2002.07
20-30	2908.18
30-40	2860.47
40-50	1558.67
50-60	967.43
60-70	667.11
70-80	303.52
80-90	30.36
90-100	0.01
100-110	0.03
110-120	0.04
120-130	0.05
130-140	0.06
140-150	0.04
150-160	0.17
160-170	0.37
170-180	0.19

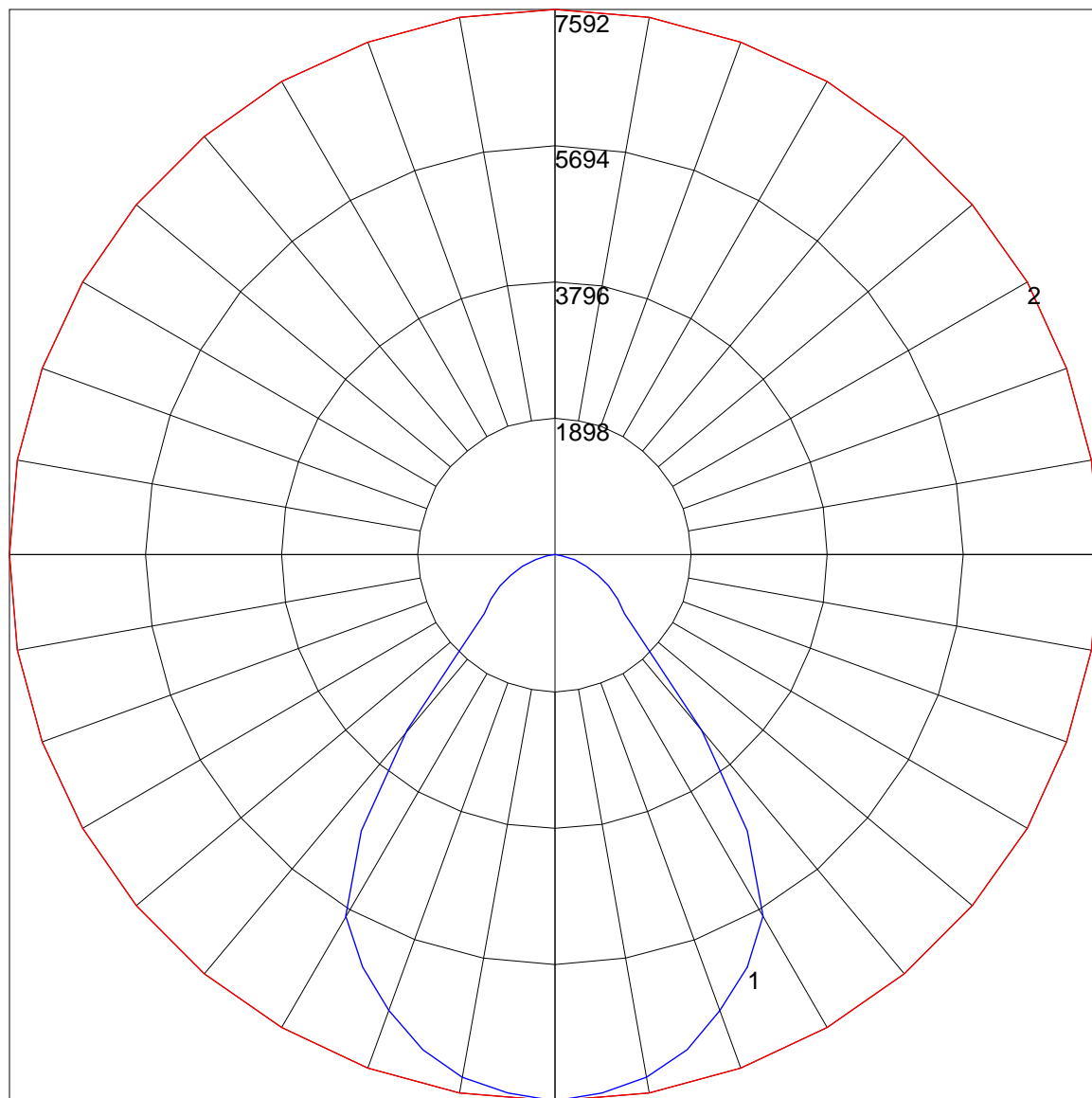
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	89
2	104	98	92	88	101	96	91	87	92	88	85	89	86	83	86	84	81	79
3	97	88	82	77	95	87	81	76	84	79	75	82	77	74	79	76	72	71
4	90	81	73	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	63	59	57
6	79	68	60	55	77	67	60	55	65	59	54	64	58	54	62	57	53	52
7	74	63	55	50	72	62	55	50	60	54	49	59	53	49	58	53	49	47
8	70	58	51	46	68	57	50	46	56	50	45	55	49	45	54	49	45	43
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	40
10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38	37

POLAR GRAPH



Maximum Candela = 7591.903 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0)